

APR 25 2003

TECH CENTER 1600/200



1600

ENTERED

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/497,822C

DATE: 04/22/2003 P. 6

TIME: 14:33:17

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF4\04222003\I497822C.raw

3 <110> APPLICANT: French, Frank
4 Wilson, Elizabeth
5 Joseph, David
6 Lubahn, Dennis
8 <120> TITLE OF INVENTION: ANDROGEN RECEPTOR PROTEINS RECOMBINANT DNA MOLECULES AND
CODING FOR SUCH
9 AND USE OF SUCH COMPOSITIONS
11 <130> FILE REFERENCE: 5470.130DV
13 <140> CURRENT APPLICATION NUMBER: US 09/497,822C
14 <141> CURRENT FILING DATE: 2000-02-03
16 <160> NUMBER OF SEQ ID NOS: 26
18 <170> SOFTWARE: PatentIn version 3.1
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 32
22 <212> TYPE: DNA
23 <213> ORGANISM: Artificial Sequence
25 <220> FEATURE:
26 <223> OTHER INFORMATION: Synthetic Oligonucleotide probe.
28 <400> SEQUENCE: 1
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32 <210> SEQ ID NO: 2
33 <211> LENGTH: 32
34 <212> TYPE: DNA
35 <213> ORGANISM: Homo sapiens
37 <400> SEQUENCE: 2
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41 <210> SEQ ID NO: 3
42 <211> LENGTH: 32
43 <212> TYPE: DNA
44 <213> ORGANISM: Homo sapiens
46 <400> SEQUENCE: 3
47 acctgtggga gctgtaaggt cttctttaag ag 32
50 <210> SEQ ID NO: 4
51 <211> LENGTH: 32
52 <212> TYPE: DNA
53 <213> ORGANISM: Homo sapiens
55 <400> SEQUENCE: 4
56 acctgtggca gctgcaaagt tttcttcaaa ag 32
59 <210> SEQ ID NO: 5
60 <211> LENGTH: 32
61 <212> TYPE: DNA
62 <213> ORGANISM: Homo sapiens
64 <400> SEQUENCE: 5
65 acttgtggaa gctgtaaagt tttcttcaaa ag 32

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68 <210> SEQ ID NO: 6
69 <211> LENGTH: 32
70 <212> TYPE: DNA
71 <213> ORGANISM: Homo sapiens
73 <400> SEQUENCE: 6
74 tcctgtgagg gctgtaaggc cttcttcaag ag          32
77 <210> SEQ ID NO: 7
78 <211> LENGTH: 32
79 <212> TYPE: DNA
80 <213> ORGANISM: Homo sapiens
82 <400> SEQUENCE: 7
83 acgtgtgaag gctgcaaggg tttctttaga ag          32
86 <210> SEQ ID NO: 8
87 <211> LENGTH: 32
88 <212> TYPE: DNA
89 <213> ORGANISM: Homo sapiens
91 <400> SEQUENCE: 8
92 gcctgtgagg gctgcaaggg cttcttccgc cg          32
95 <210> SEQ ID NO: 9
96 <211> LENGTH: 66
97 <212> TYPE: PRT
98 <213> ORGANISM: Homo sapiens
100 <400> SEQUENCE: 9
102 Cys Leu Ile Cys Gly Asp Glu Ala Ser Gly Cys His Tyr Gly Ala Leu
103 1          5          10          15
106 Thr Cys Gly Ser Cys Lys Val Phe Phe Lys Arg Ala Ala Glu Gly Lys
107          20          25          30
110 Gln Lys Tyr Leu Cys Ala Ser Arg Asn Asp Cys Thr Ile Asp Lys Phe
111          35          40          45
114 Arg Arg Lys Asn Cys Pro Ser Cys Arg Leu Arg Lys Cys Tyr Glu Ala
115          50          55          60
118 Gly Met
119 65
122 <210> SEQ ID NO: 10
123 <211> LENGTH: 66
124 <212> TYPE: PRT
125 <213> ORGANISM: Homo sapiens
127 <400> SEQUENCE: 10
129 Cys Leu Ile Cys Gly Asp Glu Ala Ser Gly Cys His Tyr Gly Val Leu
130 1          5          10          15
133 Thr Cys Gly Ser Cys Lys Val Phe Phe Lys Arg Ala Met Glu Gly Gln
134          20          25          30
137 His Asn Tyr Leu Cys Ala Gly Arg Asn Asp Cys Ile Val Asp Lys Ile
138          35          40          45
141 Arg Arg Lys Asn Cys Pro Ala Cys Arg Leu Arg Lys Cys Cys Gln Ala
142          50          55          60
145 Gly Met
146 65
149 <210> SEQ ID NO: 11

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150 <211> LENGTH: 66
151 <212> TYPE: PRT
152 <213> ORGANISM: Homo sapiens
154 <400> SEQUENCE: 11
156 Cys Leu Val Cys Gly Asp Glu Ala Ser Gly Cys His Tyr Gly Val Val
157 1 5 10 15
160 Thr Cys Gly Ser Cys Lys Val Phe Phe Lys Arg Ala Val Glu Gly Gln
161 20 25 30
164 His Asn Tyr Leu Cys Ala Gly Arg Asn Asp Cys Ile Ile Asp Lys Ile
165 35 40 45
168 Arg Arg Lys Asn Cys Pro Ala Cys Arg Leu Gln Lys Cys Leu Gln Ala
169 50 55 60
172 Gly Met
173 65
176 <210> SEQ ID NO: 12
177 <211> LENGTH: 66
178 <212> TYPE: PRT
179 <213> ORGANISM: Homo sapiens
181 <400> SEQUENCE: 12
183 Cys Leu Val Cys Ser Asp Glu Ala Ser Gly Cys His Tyr Gly Val Leu
184 1 5 10 15
187 Thr Cys Gly Ser Cys Lys Val Phe Phe Lys Arg Ala Val Glu Gly Gln
188 20 25 30
191 His Asn Tyr Leu Cys Ala Gly Arg Asn Asp Cys Ile Ile Asp Lys Ile
192 35 40 45
195 Arg Arg Lys Asn Cys Pro Ala Cys Arg Tyr Arg Lys Cys Leu Gln Ala
196 50 55 60
199 Gly Met
200 65
203 <210> SEQ ID NO: 13
204 <211> LENGTH: 66
205 <212> TYPE: PRT
206 <213> ORGANISM: Homo sapiens
208 <400> SEQUENCE: 13
210 Cys Ala Val Cys Asn Asp Tyr Ala Ser Gly Tyr His Tyr Gly Val Trp
211 1 5 10 15
214 Ser Cys Glu Gly Cys Lys Ala Phe Phe Lys Arg Ser Ile Gln Gly His
215 20 25 30
218 Asn Asp Tyr Met Cys Pro Ala Thr Asn Gln Cys Thr Ile Asp Lys Asn
219 35 40 45
222 Arg Arg Lys Ser Cys Gln Ala Cys Arg Leu Arg Lys Cys Tyr Glu Val
223 50 55 60
226 Gly Met
227 65
230 <210> SEQ ID NO: 14
231 <211> LENGTH: 66
232 <212> TYPE: PRT
233 <213> ORGANISM: Gallus gallus
235 <400> SEQUENCE: 14

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237 Cys Gly Val Cys Gly Asp Arg Ala Thr Gly Phe His Phe Asn Ala Met
238 1 5 10 15
241 Thr Cys Glu Gly Cys Lys Gly Phe Phe Arg Arg Ser Met Lys Arg Lys
242 20 25 30
245 Ala Met Phe Thr Cys Pro Phe Asn Gly Asp Cys Lys Ile Thr Lys Asp
246 35 40 45
249 Asn Arg Arg His Cys Gln Ala Cys Arg Leu Lys Arg Cys Val Asp Ile
250 50 55 60
253 Gly Met
254 65
257 <210> SEQ ID NO: 15
258 <211> LENGTH: 68
259 <212> TYPE: PRT
260 <213> ORGANISM: Homo sapiens
262 <400> SEQUENCE: 15
264 Cys Val Val Cys Gly Asp Lys Ala Thr Gly Tyr His Tyr Arg Cys Ile
265 1 5 10 15
268 Thr Cys Glu Gly Cys Lys Gly Phe Phe Arg Arg Thr Ile Gln Lys Asn
269 20 25 30
272 Leu His Pro Ser Tyr Ser Cys Lys Tyr Glu Gly Lys Cys Val Ile Asp
273 35 40 45
276 Lys Val Thr Arg Asn Gln Cys Gln Glu Cys Arg Phe Lys Lys Cys Ile
277 50 55 60
280 Tyr Val Gly Met
281 65
284 <210> SEQ ID NO: 16
285 <211> LENGTH: 68
286 <212> TYPE: PRT
287 <213> ORGANISM: Avian erythroblastosis virus
289 <400> SEQUENCE: 16
291 Cys Val Val Cys Gly Asp Lys Ala Thr Gly Tyr His Tyr Arg Cys Ile
292 1 5 10 15
295 Thr Cys Glu Gly Cys Lys Ser Phe Phe Arg Arg Thr Ile Gln Lys Asn
296 20 25 30
299 Leu His Pro Thr Thr Ser Cys Thr Tyr Asp Gly Cys Cys Val Ile Asp
300 35 40 45
303 Lys Ile Thr Arg Asn Gln Cys Gln Leu Cys Arg Phe Lys Lys Cys Ile
304 50 55 60
307 Ser Val Gly Met
308 65
311 <210> SEQ ID NO: 17
312 <211> LENGTH: 66
313 <212> TYPE: PRT
314 <213> ORGANISM: Homo sapiens
316 <400> SEQUENCE: 17
318 Cys Phe Val Cys Gln Asp Lys Ser Ser Gly Tyr His Tyr Gly Val Ser
319 1 5 10 15
322 Ala Cys Glu Gly Cys Lys Gly Phe Phe Arg Arg Ser Ile Gln Lys Asn
323 20 25 30

```

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```

326 Met Val Tyr Thr Cys His Arg Asp Lys Asn Cys Ile Ile Asn Lys Val
327           35           40           45
330 Thr Arg Asn Arg Cys Gln Tyr Cys Arg Leu Gln Lys Cys Phe Glu Val
331       50           55           60
334 Gly Met
335 65
338 <210> SEQ ID NO: 18
339 <211> LENGTH: 5082
340 <212> TYPE: DNA
341 <213> ORGANISM: Homo sapiens
343 <220> FEATURE:
344 <221> NAME/KEY: misc_feature
345 <222> LOCATION: (360)..(360)
346 <223> OTHER INFORMATION: "n" denotes any nucleotide.
349 <220> FEATURE:
350 <221> NAME/KEY: misc_feature
351 <222> LOCATION: (365)..(365)
352 <223> OTHER INFORMATION: "n" denotes any nucleotide.
355 <220> FEATURE:
356 <221> NAME/KEY: misc_feature
357 <222> LOCATION: (376)..(376)
358 <223> OTHER INFORMATION: "n" denotes any nucleotide.
361 <220> FEATURE:
362 <221> NAME/KEY: misc_feature
363 <222> LOCATION: (385)..(385)
364 <223> OTHER INFORMATION: "n" denotes any nucleotide.
367 <220> FEATURE:
368 <221> NAME/KEY: misc_feature
369 <222> LOCATION: (399)..(399)
370 <223> OTHER INFORMATION: "n" denotes any nucleotide.
373 <220> FEATURE:
374 <221> NAME/KEY: misc_feature
375 <222> LOCATION: (407)..(407)
376 <223> OTHER INFORMATION: "n" denotes any nucleotide.
379 <220> FEATURE:
380 <221> NAME/KEY: misc_feature
381 <222> LOCATION: (417)..(417)
382 <223> OTHER INFORMATION: "n" denotes any nucleotide.
385 <220> FEATURE:
386 <221> NAME/KEY: misc_feature
387 <222> LOCATION: (422)..(422)
388 <223> OTHER INFORMATION: "n" denotes any nucleotide.
391 <220> FEATURE:
392 <221> NAME/KEY: misc_feature
393 <222> LOCATION: (435)..(435)
394 <223> OTHER INFORMATION: "n" denotes any nucleotide.
397 <220> FEATURE:
398 <221> NAME/KEY: misc_feature
399 <222> LOCATION: (439)..(439)

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/497,822C

DATE: 04/22/2003
TIME: 14:33:18

Input Set : A:\PTO.VSK.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:18; N Pos. 360,365,376,385,399,407,417,422,435,439,441,598,689,714,715
Seq#:18; N Pos. 844,870,918,932,1195,1198,1202,1248,1322

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 8

VERIFICATION SUMMARY

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Input Set : A:\PTO.VSK.txt

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L:492 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:300
M:341 Repeated in SeqNo=18